

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION III  
1650 Arch Street  
Philadelphia, Pennsylvania 19103-2029

**SUBJECT:** Lithium Reanalysis – HW24 18 July 2012  
Dimock, PA

**FROM:** Dawn A. Ioven, toxicologist  
Technical Support Branch (3HS41)

**TO:** Rich Fetzer, OSC  
Eastern Response Branch (3HS31)

Samples initially collected from residential wells in Dimock during Weeks 1 through 4 were recently reanalyzed to achieve lower detection limits for lithium. Findings for HW24 are presented below.

**Lithium**

Lithium was reported in wellhead and tap samples collected from HW24 (unfiltered and filtered) at concentrations of 201 to 211.1 ug/L. These concentrations exceed lithium's risk-based screening level of 31 ug/L; long-term exposure to the maximum unfiltered tap concentration of lithium (208.8 ug/L) would generate a Hazard Quotient of 6.7. Under acute exposure conditions, ATSDR has suggested a screening concentration of 1500 ug/L for lithium in drinking water.



*Printed on 100% recycled/recyclable paper with 100% post-consumer fiber and process chlorine free.  
Customer Service Hotline: 1-800-438-2474*